Amendments to the Specification:

Please amend the paragraph starting at page 1, line 21, as follows:

-- ~~European patent 0,332,201~~ United States Patent 4,948,238 discloses an optical projection system for microlithography wherein, at the wafer end, the last two lenses have respective aspherical lens surfaces for improving imaging quality. The aspherical lens surfaces are arranged facing toward each other. --

Please amend the paragraph starting at page 1, line 26, as follows:

-- The projection systems known from the above ~~European~~ United States patent are provided for photolithography and correspondingly have a low number of lenses. The imaging quality attainable therewith does not meet the requirements which are imposed on projection systems for microlithography. Especially, the numerical aperture, which can be made available by means of this objective, is only 0.45. --

Please amend the paragraph starting at page 7, line 10, as follows:

--

Table 1

Lenses	Radius		Thickness	Material	½ Lens Diameter	Refractive Index at 248 nm

0	infinite		20.9706	L710	61.246	0.999982
L101	1160.20105		13.5756	SIO2	66.130	1.508373
	-363.46168		0.7500	L710	66.788	0.999982
L102	256.92295		20.1184	SIO2	68.174	1.508373
	-429.93637		0.7500	L710	67.973	0.999982
L103	353.94471		15.3795	SIO2	66.245	1.508373
	-1064.34630	A	0.7500	L710	65.385	0.999982
L104	365.62225		10.0788	SIO2	62.164	1.508373
	150.28204		24.6344	L710	57.665	0.999982
L105	-160.21163		7.0000	SIO2	57.121	1.508373
	138.69010		~~27.4314~~ 21.4314	L710	57.066	0.999982
L106	-257.68200		7.0000	SIO2	57.709	1.508373
	280.52202		27.7747	L710	62.688	0.999982
L107	-122.86419		7.000	SIO2	64.152	1.508373
	-524.02005	A	21.2270	L710	75.975	0.999982
L108	-334.99360		27.7619	SIO2	88.903	1.508373
	-142.00372		0.7500	L710	92.514	0.999982
L109	-1079.51219		40.8554	SIO2	109.187	1.508373
	-172.00795		0.7500	L710	111.327	0.999982
L110	438.67858		43.4000	SIO2	122.583	1.508373
	-378.94602		0.7500	L710	122.708	0.999982
L111	~~162.47382~~ 162.42382		51.1885	SIO2	113.015	1.508373
	-5736.26278	A	0.7500	L710	110.873	0.999982
L112	165.15494		14.7530	SIO2	92.577	1.508373
	110.95539		37.6018	L710	79.631	0.999982
L113	-2352.60464		7.0000	SIO2	78.360	1.508373
	158.84317		34.9167	L710	71.086	0.999982
L114	-168.34448		7.0000	SIO2	70.590	1.508373
	245.44885		39.3735	L710	71.824	0.999982
L115	-113.75821		7.0000	SIO2	72.408	1.508373
	666.85880		23.5469	L710	88.173	0.999982
L116	-278.47485		16.7462	SIO2	90.415	1.508373

	-195.62311		~~0.75000~~ 0.7500	L710	95.097	0.999982
L117	1596621.30490		37.6629	SIO2	113.071	1.508373
	-223.02293		0.7500	L710	115.353	0.999982
L118	2651.21287		31.3744	SIO2	127.060	1.508373
	-371.06734		0.7500	L710	128.117	0.999982
L119	1313.12466		25.1961	SIO2	131.302	1.508373
	-666.16100		0.0		131.498	1.000000
	infinite		9.5632	L710	130.856	0.999982
Diaphragm			0.0		130.856	
L120	812.62806		22.4028	SIO2	132.498	1.508373
	-1458.91764		10.9629	L710	132.481	0.999982
L121	344.45037		42.1137	SIO2	130.307	1.508373
	-765.47811		~~20.1268~~ 29.1268	L710	129.380	0.999982
L122	-250.24553		7.000	SIO2	127.451	1.508373
	-632.30447		15.5964	L710	127.304	0.999982
L123	-398.61314		20.5840	SIO2	126.393	1.508373
	-242.62300		1.2010	L710	126.606	0.999982
L124	143.95358		37.1050	SIO2	103.455	1.508373
	419.96225		0.8946	L710	100.698	0.999982
L125	120.37736		30.9217	SIO2	85.039	1.508373
	263.87928		14.8885	L710	79.055	0.999982
L126	1886.79345		7.6305	SIO2	74.319	1.508373
	277.58693		3.7474	L710	65.935	0.999982
L127	144.27214		50.1938	SIO2	58.929	1.508373
	423.41846		15.0000	L710	32.250	0.999982
0'	infinite		0.0001	L710	13.602	* 0.999982

L710 is air at 950 mbar.

Asphere L103:

EX= 0

Asphere L107:

EX= $0.4532178*10^2$

C1= $-0.10457918*10^{-6}$

C2= $0.37706931*10^{-11}$

C3= $0.61848526*10^{-16}$

C4= $-0.13820933*10^{-19}$

C5= $0.36532387*10^{-24}$

C6= $-0.11262277*10^{-28}$

C1= $0.19386780*10^{-7}$

C2= $-0.22407622*10^{-11}$

C3= $-0.42016344*10^{-15}$

C4= $0.45154959*10^{-19}$

C5= $-0.19814724*10^{-23}$

C6= $-0.43279363*10^{-28}$

Asphere L111:

EX= 0

C1= $0.57428624*10^{-8}$

C2= $0.22697489*10^{-12}$

C3= $-0.71160755*10^{-18}$

C4= $-0.72410634*10^{-21}$

C5= $0.32264998*10^{-25}$

~~C6= $0.55715555*10^{-30}$~~ C6= $-0.55715555*10^{-30}$ --